

**NAUCK et al**  
**U.S. National Phase of PCT/GB2004/001070**

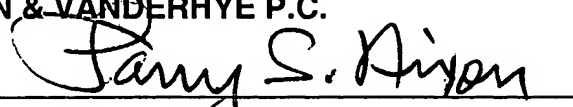
**REMARKS**

The above amendments are made to insert a cross reference to the PCT application upon which the instant U.S. national phase is based, to add an Abstract of the Disclosure and to eliminate multiple dependencies in the claims.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By:

A handwritten signature in dark ink, appearing to read "Larry S. Nixon", is written over a horizontal line.

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## **ABSTRACT OF THE DISCLOSURE**

Methods and systems for analysing data from a monitoring system for monitoring characteristics of a dynamic system, said monitoring system providing characteristic data in respect of a dynamic system with at least one known normal state, the analysis system comprising: means (100) for receiving characteristic data from the monitoring system, means (101) for receiving confirmation information from an operator when the dynamic system is in a known normal state, normality modelling means (105) for deriving a normality model comprising data indicative of known normal states in response to received characteristic data and confirmation information, prediction generating means (105) for predicting future characteristic data from the normality model, difference function providing means (105) for providing a difference function indicating an acceptable difference between predicted and received characteristic data, and comparison means (105) for comparing predicted characteristic data with received characteristic data in conjunction with the difference function and producing an abnormality signal if the difference exceeds the difference function.